

WHY WE NEED TO KNOW ABOUT NEUROTECH

Paid for by ballot committee Safer Tech at [LastTreeLaws.com](https://lasttreelaws.com)

Support our Petition Initiative for Safer Choices

Our initiative petition creates an independent office to research clear, legal & scientific paths for safer technologies as related to non-ionizing radiation technologies such as neurotech to share solutions & submit legal testimony for safety. We need your help.

Need for Ethics & Means of Enforcement

Brain-Computer Interface (BCI): A BCI uses brainwaves to decode thoughts (wireless mind reading). BCIs may be (a) 3 mm chips surgically implanted (brain or veins); (b) non-invasive (headband or cap with <1mm sensors that may go unnoticed); or, if research continues successfully, be (c) [injected](#) as ‘[dust](#)’ or viral vectors for [genetic](#) modifications.

Neurostimulators: A device that delivers mild electrical signals to modulate nerve activity. They can be surgically implanted as a synthetic sheet with electrodes, or applied non-invasively integrated into normal headwear, like a cap, and may go undetected.

Medical Mind Read & Mood Control: Patients paralyzed in body and speech can use a **BCI** to control a computer & prosthetic device, translating thoughts at [75+](#) words/minute. A neurostimulator can disrupt seizures and mental states, such as to prevent depression.

AI Engine: Advanced AI algorithms, including transformers and large language models (LLMs), act as the translation engine for neurostimulators & BCIs, reading massive streams of brain data in real time. AI also analyzes how the brain functions to decipher our biology on an individual and grand scale.

Work BCIs: Corporations can audit employee moods or attention using coarse BCIs with only 1–8 surface electrodes (e.g., ‘*SmartCap*’), which could monitor worker moods to assess their reactions to events, helping management pinpoint worker resistance.

National AI Policy: Under Executive Order 14365, federal government moved to preempt & legally challenge state-level AI regulations. In 2025, the U.S. Rural Health Transformation Program began, directing funding toward tech-driven healthcare, prioritizing consumer wearables, remote monitoring, robotics, & AI.

DARPA: The Defense Advanced Research Projects Agency translates medical research into battlefield uses, seeking soldier augmentation with advanced [neurotech](#) that monitors & stimulates the brain with a [million](#) electrodes interacting with 100K neurons. This can automate weapon discharge, suppress fear, conceal fatigue (silently harming a soldier’s organs & physical body), and override a soldier’s decision while leaving a sense of guilt.

Gaming Data & Exploitation: NextGen Virtual Reality (VR) headsets allow ‘mind control’ of in-game objects. Game developers allow use of this neural data to [train AI](#), embedding consent into gameplay features (e.g., unlocking a glowing sword). Industry-funded AI learns how to replace workers (e.g., delivery drones), fine tune advertising (e.g., drop an ad at a moment of emotional weakness), and develop profiles (e.g., map reactions to hidden images). DARPA also uses gaming to teach military AI how to navigate & fight.

Elephant in Room: BCIs & related devices present risks of error, physical harm, hacking, & extreme privacy loss. They allow wireless eavesdropping, precise lie detection, exact profiling, and mental manipulation. For example, hackers can [intercept](#) brain signals to read digital passwords or bank PINs. They can hijack devices ("[brainjacking](#)") to alter moods, manipulate neurotransmitters, force movements, or maliciously trigger seizures.

Tyranny & Control: BCIs used by authoritarian governments could identify rebellion, target opposition, manipulate, surveil, and exert remote control. Brain stimulation has successfully controlled insects, [rodents](#), cats, and CIA test [dogs](#). In the 1960s, scientist José Manuel Rodríguez Delgado used wireless implants to halt a bull's charge with the press of a button, subdue a monkey's personality, and stimulate human euphoria, lust, love, and anger (see the [Discover Magazine José Delgado Feature](#)).

OTC BCIs: Non-surgical BCIs are actively on the market to 'enhance' focus and mood. Critically, standard consumer hardware can function without user consent as a hidden BCI. VR headsets serve as the best full platform for reading and writing neural data, followed by smart caps, headbands, and smart earbuds, and to a lesser extent by smart glasses and smartwatches. This daily data harvest teaches AI models the deepest intricacies of human psychology, vulnerabilities, and weaknesses, effectively training the technology how to outmaneuver, harm, and replace us.

Mental Protections: As Duke University Professor [Nita Farahany](#) warns, we need a new right to mental liberty *with a means of enforcement* to address neurotech advances. The [Neurorights Foundation](#), co-founded by tech investor Jamie Daves, agrees.

BCI Plans for Whom? Litigation records from the Physicians [Committee](#) for Responsible Medicine reveal that rushed experiments for Elon Musk's *Neuralink's* high-density deep brain connections led to painful deaths, with self harm, of over 1,500 test animals (e.g., monkeys). As one of the world's wealthiest & most powerful, Musk has leverage to push these devices into the mainstream. Despite having enrolled only 21 human participants worldwide in its early clinical trials, developers are rapidly scaling for mass industrial manufacturing. The company wants human-AI integration for all now, despite the impossibility of long-term physical safety studies or definitive mental protections.

Organoids & Human-Like AI: Advanced biocomputing now links human brain cell cultures directly to computer sensors and AI. This enhances IQ, allowing AI to think more like a human being. For instance, while hackers recently engineered visual patterns to outsmart AI surveillance systems like Flock cameras, biological computing can naturally see through these patterns. Right now, these brain organoids remain microscopic, smaller than the brains of even small mammals.

AI Ethics & Dangers: As science advances, growing organoids or AI raises profound questions about when biological computing crosses the line into consciousness or distress. If so, use as servants or slaves introduces basic questions of morality and fairness. Further, training AI models for strategic manipulation, network disruption, or automated warfare risks creating a sentient entity hardwired exclusively for harmful behaviors, mirroring Madeleine L'Engle's sci-fi classic *A Wrinkle in Time*, which warns of "IT"—a massive, disembodied biological brain that exercises total mental control to strip away human agency and enforce absolute submission. An even more likely scenario is abuse by human actors and technical chaos caused by recklessness.

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